

ABSTRACT

The invention relates to a device for compressing concrete during the manufacture of concrete parts. Said device comprises a supporting structure, a formwork device which is maintained by the supporting structure and a vibration decoupling device which is arranged between the supporting structure and formwork device. The vibrations required to compress concrete are produced by a vibration device acting directly upon the formwork device. In order to reduce noise emission, the mass of the supporting structure is selected in such a way that the intrinsic frequency of a system consisting of the supporting structure and vibration decoupling device is lower than the excitation frequency of the vibration device. Preferably, the formwork device, vibration decoupling device, vibrators and all electrical feed lines and connections are premounted, forming a module which can then be mounted on the supporting structure.